

B48

## FORM P8

(To be lodged in duplicate)

REPUBLIC OF SOUTH AFRICA  
PATENTS ACT, 1978  
PUBLICATION PARTICULARS AND ABSTRACT  
[Section 32 (3) (a) - Regulations 22 (1) (g) and 31]

OFFICIAL APPLICATION NO.		
21	01	20000857

LODGING DATE	
22	22/02/2000

ACCEPTANCE DATE	
43	31-5-2001

INTERNATIONAL CLASSIFICATION	
51	A61K

Not for publication
Classified by:

FULL NAME(S) OF APPLICANT(S)	
------------------------------	--

71

MARX, Anna-Susan

FULL NAME(S) OF INVENTOR(S)	
-----------------------------	--

72

MARX, Anna-Susan

EARLIEST PRIORITY CLAIMED		COUNTRY	NUMBER	DATE
		33	ZA	31 99/01088 32 11/02/1999

TITLE OF INVENTION	
--------------------	--

54

PHARMACEUTICAL COMPOSITION

57	
Abstract (not more than 150 words) and figure of the drawings to which the abstract refers, are attached.	

Number of sheets	26
------------------	----

20000857

## ABSTRACT

The invention provides a pharmaceutical composition including at least three of the following ingredients:

Hypoxis (African potato), comfrey (*symphytum officinale*), stinging nettle (*urtica dioica*), wheat germ oil, tea tree oil, Kopiva (*bulbine*), Beukes bush (*lippia Scaberrima*), bergamot oil (*monarda didyma*), Eucomis, rosemary, eucalyptus oil, Agave, devil's claw (*Harpagophytum*), lavender, ginger, capsicum, peppermint oil, Datura (*Silybum marianum*), soap bush (*Noltia africana*), aloe and geranium oil. The composition may be in the form of a cream for topical application to the skin, in the form of a powder or in the form of a shampoo.

## PHARMACEUTICAL COMPOSITION

### FIELD OF THE INVENTION

This invention relates to a pharmaceutical composition. More particularly, the invention relates to a composition suitable for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like. The invention furthermore relates to a composition suitable for the treatment of pain and sinus-related problems.

### SUMMARY OF THE INVENTION

According to a first embodiment of the invention there is provided a pharmaceutical composition suitable for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like, the pharmaceutical composition including at least the following ingredients: Hypoxis (African potato), comfrey (*symphytum officinale*), stinging nettle (*untica dioica*), wheat germ oil, tea tree oil, Kopiva (*bulbine*) and Beukes bush (*lippia Scaberrima*).

Bergamot oil (*monarda didyma*) may also be included in the composition.

The proportions of the ingredients may be as follows:

Hypoxis	10% – 80%
comfrey	5% - 60%
Kopiva	1% - 40%
Beukes bush	1% - 30%
stinging nettle	1% - 35%
wheat germ oil	1% - 30%
tea tree oil	1% -35%
bergamot oil	1% – 20%

More particularly, the composition of the pharmaceutical composition may be as follows:

Hypoxis	31%
comfrey	23%
stinging nettle	14%
Kopiva	14%
wheat germ oil	6%
tea tree oil	6%
Beukes bush	6%

The above ingredients may be added to an aqueous cream base to form the composition, or any other suitable cream base such that the composition is suitable for topical application to the skin.

20000857

According to a second embodiment of the invention, there is provided a pharmaceutical composition suitable for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like, the pharmaceutical composition including at least the following ingredients:

Hypoxis, comfrey and Eucomis (*Eucomis undulata*), also commonly referred to as pineapple flower or amatunka.

The composition may further include Kopiva and/or Beukes bush.

The proportions of the ingredients may be as follows:

Hypoxis (10% - 80%), comfrey(5% - 80%), Eucomis (50% - 80%), Kopiva (1% - 40%) and/or Beukes bush (1% - 30%).

More preferably, the composition of the pharmaceutical composition may be as follows:

Hypoxis	45%
comfrey	4%
Eucomis	45%
Kopiva	3%
Beukes bush	6%

The above ingredients may be added to an aqueous cream base to form the composition, or any other suitable cream base such that the composition is suitable for topical application to the skin.

According to a third embodiment of the invention there is provided a pharmaceutical composition for alleviating pain, the composition including at least the following ingredients:

rosemary, eucalyptus oil, Agave and devil's claw (*Harpagophytum*).

The composition may further include Eucomis and lavender.

The proportions of the ingredients may be as follows:

rosemary(5% - 80%), devil's claw (2% - 10%), Eucomis(10% – 50%), lavender (20% – 30%), Agave (2% – 30%) and eucalyptus oil (20% – 60%).

More preferably, the composition of the pharmaceutical composition may be as follows:

rosemary	39%
devil's claw	5%
Eucomis	7%
lavender	15%
Agave	15%
eucalyptus oil	19%

The ingredients may be added to an aqueous cream base to form the composition, or any other suitable cream base such that the composition is suitable for topical application to the skin.

According to a fourth embodiment of the invention there is provided a pharmaceutical composition for alleviating pain, the composition including at least the following ingredients:

rosemary, Agave, devil's claw (*Harpagophytum*), Eucomis, lavender, ginger, capsicum and peppermint oil.

The composition of the pharmaceutical composition may be as follows:

rosemary	24%
devil's claw	3%
Eucomis	4%
lavender	8%
Agave	8%
ginger	21%
capsicum	18%
peppermint oil	14%

The ingredients may be added to an aqueous cream base to form the composition, or any other suitable cream base such that the composition is suitable for topical application to the skin.

According to a fifth embodiment of the invention there is provided a pharmaceutical composition for alleviating sinus-related conditions, the pharmaceutical composition including at least the following ingredients:

Beukes bush, Datura (*Silybum marianum*), eucalyptus oil and stinging nettle.

The proportions of the ingredients may be as follows:

Beukes bush (20% – 70%), Datura (20% – 80%), eucalyptus oil (1% – 30%), and stinging nettle (10% – 60%).

More preferably, the composition of the pharmaceutical composition may be as follows:

Beukes bush	27%
Datura	23%
eucalyptus oil	27%
stinging nettle	23%

The ingredients may be crushed or ground to form a powder.

According to a sixth embodiment of the invention, there is provided a pharmaceutical composition which includes:

soap bush (*noltia africana*), aloe, Hypoxis, rosemary, comfrey, stinging nettle, Beukes bush, Kopiva, bergamot oil and geranium oil.

The composition of the pharmaceutical composition may be as follows:

soap bush	11%
aloe	1%
Hypoxis	16%
rosemary	13%
comfrey	5%

stinging nettle	18%
Beukes bush	13%
Kopiva	11%
bergamot oil	8%
geranium oil	4%

#### **DETAILED DESCRIPTION OF THE INVENTION**

The invention will now be described further with reference to the following examples.

##### **Example 1**

The following ingredients are used in order to prepare a topical pharmaceutical composition suitable for treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like:

Hypoxis	31 %
Comfrey	23 %
Stinging nettle	14 %
Kopiva	14 %
Wheat germ oil	6 %
Tea tree oil	6 %
Beukes bush	<u>6 %</u>
	100 %

The Hypoxis, comfrey, stinging nettle, Kopiva and stinging nettle are added to an earthenware pot and sufficient cold water is added to the pot to cover the ingredients. The water is then brought to the boils, and is then simmered at approximately 98 °C for 1 hour.

The mixture is removed from the heat and is allowed to stand, typically for 6 or more hours to allow the mixture to cool and to draw. The liquid is then drained from the mixture, and the remaining solid portion is discarded.

The drained liquid is blended with aqueous cream until the blended cream has a uniform colour and smooth consistency. The wheat germ oil and tea tree oil are then added to the cream and mixed together.

It is also possible for the oil-based ingredients to be added to the drained liquid prior to addition of the aqueous cream base.

#### Example 2

The following ingredients are used in order to prepare a topical pharmaceutical composition suitable for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like:

Hypoxis	45 %
Comfrey	4 %
Kopiva	3 %
Eucomis	45 %
Beukes bush	<u>6 %</u>
	100 %

The Hypoxis, comfrey, Eucomis, Kopiva and Beukes bush are added to an earthenware pot, and thereafter the preparation procedure as described in Example 1 is followed.

Example 3

The following ingredients are used in order to prepare a topical pharmaceutical composition suitable for the treatment of pain:

Rosemary	39 %
Devil's claw	5 %
Eucomis	7 %
Lavender	15 %
Eucalyptus oil	19 %
Agave	<u>15 %</u>
	100 %

The rosemary, devil's claw, Eucomis, lavender and Agave are added to an earthenware pot, and thereafter the preparation procedure as described in Example 1 is followed, with the exception that eucalyptus oil is used as a substitute for both the wheat germ and tea tree oils.

Example 4

The following ingredients are used in order to prepare a topical pharmaceutical composition suitable for the treatment of pain:

Rosemary	24 %
----------	------

Devil's claw	53%
Eucomis	4 %
Lavender	8 %
Ginger	21 %
Capsicum	18 %
Peppermint oil	19 %
Agave	<u>8 %</u>
	100 %

The rosemary, devil's claw, Eucomis, lavender, ginger, capsicum and Agave are added to an earthenware pot, and thereafter the preparation procedure as described in Example 1 is followed, with the exception that peppermint oil is used as a substitute for both the wheat germ and tea tree oils.

#### Example 5

The following ingredients are used to prepare a pharmaceutical composition suitable for treatment of sinus-related conditions:

Beukes bush	27 %
Datura	23 %
Eucalyptus oil	27 %
Stinging nettle	<u>23 %</u>
	100 %

The dry ingredients are ground into powder form, and the eucalyptus oil is added to the powdered mixture.

Example 6

The following ingredients are used in order to prepare a topical pharmaceutical application in the form of a shampoo:

soap bush	11%
aloe	1%
Hypoxis	16%
rosemary	13%
comfrey	5%
stinging nettle	18%
Beukes bush	13%
Kopiva	11%
bergamot oil	8%
geranium oil	4%.

The invention is not limited to the precise constructional details as hereinbefore described. For example, it is possible that other ingredients may also be added to the pharmaceutical composition, for example, in order to add to the colour and/or aroma of the composition.

The inventor believes that the invention is advantageous in that it provides a pharmaceutical composition which includes only natural ingredients and which is cost-effective.

## CLAIMS

1. A pharmaceutical composition which includes at least the following ingredients:

Hypoxis (*hypoxis*), comfrey (*symphytum officinale*), stinging nettle (*untica dioica*), wheat germ oil, tea tree oil, Kopiva (*bulbine*) and Beukes bush.

2. A pharmaceutical composition as claimed in claim 1, which further includes bergamot oil (*monarda didyma*).

3. A pharmaceutical composition as claimed in either one of claims 1 or 2, wherein the percentages of the ingredients in the composition are :

Hypoxis (10% - 80%); comfrey (5% - 60%); Kopiva (1% - 40%); Beukes bush (1% - 30%); stinging nettle (1% - 35%); wheat germ oil (1% - 30%); tea tree oil (1% -35%); and optionally bergamot oil (1% - 20%).

4. A pharmaceutical composition as claimed in claim 3, which includes:

Hypoxis	31%
comfrey	23%
stinging nettle	14%
Kopiva	14%
wheat germ oil	6%
tea tree oil	6%
Beukes bush	6%.

5. A pharmaceutical composition as claimed in any one of claims 1 to 4, wherein a suitable cream is used as a base.
6. A pharmaceutical composition as claimed in any one of claims 1 to 5, which is suitable for topical application.
7. The use of Hypoxis, comfrey, stinging nettle, wheat germ oil , tea tree oil, Kopiva and Beukes bush for the manufacture of a medicament for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like.
8. A pharmaceutical composition for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like, including a pharmaceutically effective concentration of at least one of Hypoxis, comfrey, stinging nettle, wheat germ oil , tea tree oil, Kopiva and Beukes bush together with a suitable diluent, excipient or auxiliary.
9. A composition as claimed in any one of claims to 1 to 6 and 8 whenever supplied with instructions for the use thereof in the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like.

10. A composition as claimed in claim 9 when the instructions are in printed or written form.
11. A composition as claimed in claim 10 supplied in a package or container having the said instructions provided therein or thereon.
12. A pharmaceutical composition which includes at least the following ingredients:

Hypoxis, comfrey and pineapple flower or amatunka (*Eucomis undulata*).
13. A pharmaceutical composition as claimed in claim 12, which includes Kopiva.
14. A pharmaceutical composition as claimed in either of claims 12 or 13, which includes Beukes bush.
15. A pharmaceutical composition as claimed in any one of claims 12 to 14, wherein the percentages of the ingredients are:

Hypoxis (10% - 80%), comfrey(5% – 80%), Eucomis (50% - 80%) and optionally Kopiva (1% - 40%) and Beukes bush (1% - 30%).
16. A pharmaceutical composition as claimed in claim 15, which includes:

Hypoxis	45%
comfrey	4%

Eucomis	45%
Kopiva	3%
Beukes bush	6%.

17. A composition as claimed in any one of claims 12 to 16, wherein a suitable cream is used as a base.
18. A pharmaceutical composition as claimed in any one of claims 12 to 17, which is suitable for topical application.
19. The use of Hypoxis, comfrey, Eucomis, Kopiva and Beukes bush for the manufacture of a medicament for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like.
20. A pharmaceutical composition for the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like, including a pharmaceutically effective concentration of at least one of Hypoxis, comfrey, Eucomis, Kopiva and Beukes bush together with a suitable diluent, excipient or auxiliary.
21. A composition as claimed in any one of claims 12 to 18 and 20 whenever supplied with instructions for the use thereof in the treatment of skin conditions such as skin cancer, sores, acne, burn wounds, shingles, insect bites and the like.

22. A composition as claimed in claim 21 when the instructions are in printed or written form.
23. A composition as claimed in claim 22 supplied in a package or container having the said instructions provided therein or thereon.
24. A pharmaceutical composition which includes at least the following ingredients:  
rosemary, eucalyptus oil, Agave and devil's claw.
25. A pharmaceutical composition as claimed in claim 24, which further includes Eucomis and lavender.
26. A pharmaceutical composition as claimed in either of claims 24 or 25, wherein the percentages of the ingredients in the composition are:  
rosemary(5% - 80%), devil's claw (2% - 10%), Eucomis(10% – 50%), lavender (20% – 30%), Agave (2% – 30%) and eucalyptus oil (20% – 60%).
27. A pharmaceutical composition as claimed in claim 26, which includes:

rosemary	39%
devil's claw	5%
Eucomis	7%
lavender	15%
Agave	15%
eucalyptus oil	19%.

28. A composition as claimed in any one of claims 24 to 27, wherein a suitable cream is used as a base.
29. A pharmaceutical composition as claimed in any one of claims 24 to 28, which is suitable for topical application.
30. The use of rosemary, eucalyptus oil, Agave, devil's claw, Eucomis and lavender for the manufacture of a medicament for the treatment of pain.
31. A pharmaceutical composition for the treatment of pain, including a pharmaceutically effective concentration of at least one of rosemary, eucalyptus oil, Agave, devil's claw, Eucomis and lavender together with a suitable diluent, excipient or auxiliary.
32. A composition as claimed in any one of claims 24 to 29 and 31 whenever supplied with instructions for the use thereof in the treatment of pain.
33. A composition as claimed in claim 32 when the instructions are in printed or written form.
34. A composition as claimed in claim 33 supplied in a package or container having the said instructions provided therein or thereon.

35. A pharmaceutical composition which includes at least the following ingredients:

Beukes bush, Datura, eucalyptus oil and stinging nettle.

36. A pharmaceutical composition as claimed in claim 35, wherein the percentages of the ingredients in the composition are:

Beukes bush (20% – 70%), Datura (20% – 80%), eucalyptus oil (1% – 30%), and stinging nettle (10% – 60%).

37. A pharmaceutical composition as claimed in claim 36, which includes:

Beukes bush 27%

Datura 23%

eucalyptus oil 27%

stinging nettle 23%.

38. A pharmaceutical composition as claimed in any one of claims 35 to 37, which is in the form of a powder.

39. The use of Beukes bush, Datura, eucalyptus oil and stinging nettle for the manufacture of a medicament for the treatment of sinus-related conditions.

40. A pharmaceutical composition for the treatment of sinus-related conditions, including a pharmaceutically effective concentration of at least one of Beukes bush, Datura, eucalyptus oil and stinging nettle together with a suitable diluent, excipient or auxiliary.

41. A composition as claimed in any one of claims 35 to 38 and 40 whenever supplied with instructions for the use thereof in the treatment of sinus-related conditions.
42. A composition as claimed in claim 41 when the instructions are in printed or written form.
43. A composition as claimed in claim 42 supplied in a package or container having the said instructions provided therein or thereon.
44. A pharmaceutical composition for alleviating pain, the composition including at least the following ingredients:  
rosemary, Agave, devil's claw (*Harpagophytum*), Eucomis, lavender, ginger, capsicum and peppermint oil.
45. A pharmaceutical composition as claimed in claim 44, which includes:

rosemary	24%
devil's claw	3%
Eucomis	4%
lavender	8%
Agave	8%
ginger	21%
capsicum	18%
peppermint oil	14%.

46. A pharmaceutical composition as claimed in either of claims 44 or 45, wherein a suitable cream is used as a base.
47. A pharmaceutical composition as claimed in any one of claims 44 to 46, which is suitable for topical application.
48. The use of rosemary, eucalyptus oil, Agave, devil's claw, Eucomis and lavender for the manufacture of a medicament for the treatment of pain.
49. A pharmaceutical composition for the treatment of pain, including a pharmaceutically effective concentration of at least one of rosemary, eucalyptus oil, Agave, devil's claw, Eucomis and lavender together with a suitable diluent, excipient or auxiliary.
50. A composition as claimed in any one of claims 44 to 47 and 49 whenever supplied with instructions for the use thereof in the treatment of pain.
51. A composition as claimed in claim 50 when the instructions are in printed or written form.
52. A composition as claimed in claim 51 supplied in a package or container having the said instructions provided therein or thereon.

53. A pharmaceutical composition which includes at least the following ingredients:

soap bush (*noltia africana*), aloe, Hypoxis, rosemary, comfrey, stinging nettle, Beukes bush, Kopiva, bergamot oil and geranium oil.

54. A pharmaceutical composition as claimed in claim 53, which includes:

soap bush	11%
aloe	1%
Hypoxis	16%
rosemary	13%
comfrey	5%
stinging nettle	18%
Beukes bush	13%
Kopiva	11%
bergamot oil	8%
geranium oil	4%.

55. A pharmaceutical composition as claimed in either of claims 53 or 54, which is in the form of a shampoo.

56. A shampoo which includes at least the following ingredients:

soap bush, aloe, Hypoxis, rosemary, comfrey, stinging nettle, Beukes bush, Kopiva, bergamot oil and geranium oil.

57. A shampoo as claimed in claim 56, which includes:

soap bush	11%
aloe	1%
Hypoxis	16%
rosemary	13%
comfrey	5%
stinging nettle	18%
Beukes bush	13%
Kopiva	11%
bergamot oil	8%
geranium oil	4%.

58. A pharmaceutical composition as claimed in any one of claims 1 to 6 and 8 to 11, substantially as hereinbefore described and exemplified.

59. Use as claimed in claim 7, substantially as hereinbefore described and exemplified.

60. A pharmaceutical composition as claimed in any one of claims 12 to 18 and 20 to 23, substantially as hereinbefore described and exemplified.

61. Use as claimed in claim 19, substantially as hereinbefore described and exemplified.

62. A pharmaceutical composition as claimed in any one of claims 24 to 29 and 31 to 34, substantially as hereinbefore described and exemplified.
63. Use as claimed in claim 30, substantially as hereinbefore described and exemplified.
64. A pharmaceutical composition as claimed in any one of claims 35 to 38 and 40 to 43, substantially as hereinbefore described and exemplified.
65. Use as claimed in claim 39, substantially as hereinbefore described and exemplified.
66. A pharmaceutical composition as claimed in any one of claims 44 to 47 and 49 to 52, substantially as hereinbefore described and exemplified.
67. Use as claimed in claim 48, substantially as hereinbefore described and exemplified.
68. A pharmaceutical composition as claimed in any one of claims 53 to 55, substantially as hereinbefore described and exemplified.
69. A shampoo as claimed in any one of claims 56 to 57, substantially as hereinbefore described and exemplified.

70. A pharmaceutical composition or shampoo including any new and inventive integer or combination of integers, substantially as herein described.

DATED THIS 22<sup>nd</sup> DAY OF FEBRUARY 2000

S. Clegg  
HAHN & HAHN INC.  
Agent for Applicant